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NEWS 2 Apr 08 "Ask CAS" for self-help around the clock  
NEWS 3 Apr 09 BEILSTEIN: Reload and Implementation of a New Subject Area  
NEWS 4 Apr 09 ZDB will be removed from STN  
NEWS 5 Apr 19 US Patent Applications available in IFICDB, IFIPAT, and IFIUDB  
NEWS 6 Apr 22 Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS  
NEWS 7 Apr 22 BIOSIS Gene Names now available in TOXCENTER  
NEWS 8 Apr 22 Federal Research in Progress (FEDRIP) now available  
NEWS 9 Jun 03 New e-mail delivery for search results now available  
NEWS 10 Jun 10 MEDLINE Reload  
NEWS 11 Jun 10 PCTFULL has been reloaded  
NEWS 12 Jul 02 FOREGE no longer contains STANDARDS file segment  
NEWS 13 Jul 22 USAN to be reloaded July 28, 2002;  
saved answer sets no longer valid  
NEWS 14 Jul 29 Enhanced polymer searching in REGISTRY  
NEWS 15 Jul 30 NETFIRST to be removed from STN  
NEWS 16 Aug 08 CANCERLIT reload  
NEWS 17 Aug 08 PHARMAMarketLetter(PHARMAML) - new on STN  
NEWS 18 Aug 08 NTIS has been reloaded and enhanced  
NEWS 19 Aug 19 Aquatic Toxicity Information Retrieval (AQUIRE)  
now available on STN  
NEWS 20 Aug 19 IFIPAT, IFICDB, and IFIUDB have been reloaded  
NEWS 21 Aug 19 The MEDLINE file segment of TOXCENTER has been reloaded  
NEWS 22 Aug 26 Sequence searching in REGISTRY enhanced  
NEWS 23 Sep 03 JAPIO has been reloaded and enhanced  
NEWS 24 Sep 16 Experimental properties added to the REGISTRY file  
NEWS 25 Sep 16 CA Section Thesaurus available in CAPLUS and CA  
NEWS 26 Oct 01 CASREACT Enriched with Reactions from 1907 to 1985  
NEWS 27 Oct 21 EVENTLINE has been reloaded  
NEWS 28 Oct 24 BEILSTEIN adds new search fields  
NEWS 29 Oct 24 Nutraceuticals International (NUTRACEUT) now available on STN  
NEWS 30 Oct 25 MEDLINE SDI run of October 8, 2002  
NEWS 31 Nov 18 DKILIT has been renamed APOLLIT  
NEWS 32 Nov 25 More calculated properties added to REGISTRY  
NEWS 33 Dec 02 TIBKAT will be removed from STN  
NEWS 34 Dec 04 CSA files on STN  
NEWS 35 Dec 17 PCTFULL now covers WP/PCT Applications from 1978 to date  
NEWS 36 Dec 17 TOXCENTER enhanced with additional content  
NEWS 37 Dec 17 Adis Clinical Trials Insight now available on STN  
NEWS 38 Dec 30 ISMEC no longer available  
NEWS 39 Jan 13 Indexing added to some pre-1967 records in CA/CAPLUS  
NEWS 40 Jan 21 NUTRACEUT offering one free connect hour in February 2003  
NEWS 41 Jan 21 PHARMAML offering one free connect hour in February 2003  
NEWS 42 Jan 29 Simultaneous left and right truncation added to COMPENDEX,  
ENERGY, INSPEC  
NEWS 43 Feb 13 CANCERLIT is no longer being updated

NEWS EXPRESS January 6 CURRENT WINDOWS VERSION IS V6.01a,

CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),  
AND CURRENT DISCOVER FILE IS DATED 01 OCTOBER 2002

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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 15:46:16 ON 14 FEB 2003

=> file biosis		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.42	0.42

FILE 'BIOSIS' ENTERED AT 15:47:14 ON 14 FEB 2003  
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FILE COVERS 1969 TO DATE.  
CAS REGISTRY NUMBERS AND CHEMICAL NAMES (CNs) PRESENT  
FROM JANUARY 1969 TO DATE.

RECORDS LAST ADDED: 12 February 2003 (20030212/ED)

```
=> s von Willebrand factor and complex
      20684 VON
      10113 WILLEBRAND
      688698 FACTOR
      8285 VON WILLEBRAND FACTOR
          (VON(W) WILLEBRAND(W) FACTOR)
      403423 COMPLEX
L1      987 VON WILLEBRAND FACTOR AND COMPLEX
```

```
=> s l1 and cation exchange
      38971 CATION
      129912 EXCHANGE
      8775 CATION EXCHANGE
          (CATION(W) EXCHANGE)
L2      1 L1 AND CATION EXCHANGE
```

```
=> d l2 ti abs ibib tot
```

```
L2  ANSWER 1 OF 1  BIOSIS  COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
TI  DIFFERENTIAL PROTEOLYTIC ACTIVATION OF FACTOR VIII-VON
    WILLEBRAND FACTOR COMPLEX BY THROMBIN.
AB  Blood coagulation factor VIII (fVIII) is a plasma protein that is
    decreased or absent in hemophilia A. It is isolated as a mixture of
    heterodimers that contain a variably sized heavy chain and a common light
    chain. Thrombin catalyzes the activation of fVIII in a reaction that is
    associated with cleavages in both types of chain. We isolated a serine
    protease from Bothrops jararacussu snake venom that catalyzes
    thrombin-like heavy-chain cleavage but not light-chain cleavage in porcine
```

fVIII as judged by NaDodSO4/PAGE and N-terminal sequence analysis. Using a plasma-free assay of the ability of activated fVIII to function as a cofactor in the activation of factor X by factor IXa, we found that fVIII is activated by the venom enzyme. The venom enzyme-activated fVIII was isolated in stable form by **cation-exchange HPLC**.

**von Willebrand factor** inhibited venom enzyme-activated fVIII but not thrombin-activated fVIII. These results suggest that the binding of fVIII to **von Willebrand factor** depends on the presence of an intact light chain and that activated fVIII must dissociate from **von Willebrand factor** to exert its cofactor effect. Thus, proteolytic activation of fVIII-**von Willebrand factor complex** appears to be differentially regulated by light-chain cleavage to dissociate the **complex** and heavy-chain cleavage to activate the cofactor function.

ACCESSION NUMBER: 1989:468581 BIOSIS  
DOCUMENT NUMBER: BA88:104341  
TITLE: DIFFERENTIAL PROTEOLYTIC ACTIVATION OF FACTOR VIII-  
VON WILLEBRAND FACTOR  
COMPLEX BY THROMBIN.  
AUTHOR(S): HILL-EUBANKS D C; PARKER C G; LOLLAR P  
CORPORATE SOURCE: DEP. MED., UNIV. VERMONT, BURLINGTON, VERMONT 05405.  
SOURCE: PROC NATL ACAD SCI U S A, (1989) 86 (17), 6508-6512.  
CODEN: PNASA6. ISSN: 0027-8424.  
FILE SEGMENT: BA; OLD  
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